

IDENTIFICATION OF *Salmonella sp.* ON EGG SOLD AT SURABAYA TRADITIONAL MARKET

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ABSTRACT

This study was aimed to identify *Salmonella sp.* on egg that are sold at Surabaya traditional market. One hundred samples of eggs were taken from 5 different traditional market in Surabaya with 20 samples egg taken from every single market. The eggs sample taken from 5 different market in Surabaya which is Jojoran Market, Manyar Market, Ngagel Market, Karang Menjangan Market and Keputran Market. Yolk and albumen taken from every eggs sample to store. Then 1 ml stored eggs sample soaked in 9 ml *Selenite Cystein Broth* (SCB) and incubated in 37°C for 24 hours. After being incubated, the soaked samples inoculated on *Xylose Lysine Deoxycholate* (XLD) agar and incubated in 37°C for 24 hours. After incubated, cultured samples that suspected as *Salmonella Sp.* taken for biochemical test for further identification. *Triple Sugar Iron Agar* (TSIA), *Sulfide Indol Motility*, *Methyl Red-Voges Preskauer*, and *Simmon citrate* (IMVIC) test used to identify *Salmonella Sp.* This treatment and test apply to 100 sample egg from 5 different market. At the end of the research, from the results of the biochemical test show that from 100 sample eggs from 5 different market 4 samples show positive sign of *Salmonella sp.* and the other 96 samples show negative result of *Salmonella sp.* contamination. This 4 positive sample was from Jojoran Market, Karang Menjangan Market and Keputran market which 1 positive sample from Jojoran and Karang Menjangan Market and 2 positive samples from Keputran Market.

Keywords: *Salmonella Sp.*, Egg, Traditional Market